

**Amendments to the Drawings:**

The attached sheets of drawings include changes made to Figs. 2A, 5, 6A and 6B. The first attached sheet, which includes Figs. 1, 2, 2A, and 3, replaces the original sheet including Figs. 1, 2, 2A, and 3. In Fig. 2A, previously omitted reference numerals 17 and 21 have been added. In Fig. 3, previously omitted reference numerals 17 and 21 have been added. The second attached sheet, which includes Figs. 4, 5, and 6A replaces the original sheet including Figs. 4, 5, and 6A. In Fig. 5, the reference numeral 12 and its lead line have been repositioned. In Fig. 6A, previously omitted reference numerals 17 and 19 have been added. The third attached sheet, which includes Figs. 6B and 7, replaces the original sheet including Figs. 6B and 7. In Fig. 6B, previously omitted reference numerals 17 and 19 have been added.

Attachment: Replacement Sheets  
Annotated Sheets Showing Changes

## **REMARKS**

This Amendment is responsive to the Office Action mailed on May 11, 2006. Claims 1-15 are pending before the amendment. Claims 1-4, 7, 8, 10, 14, and 15 have been amended. In view of the foregoing amendments, as well as the following remarks, Applicants respectfully submit that this application is in complete condition for allowance and request reconsideration of the application in this regard.

### **Drawing and Written Description Amendments**

Applicants have amended the drawings and written description for conformity. Figs. 2A and 3 have been amended to add previously omitted reference numerals 17 and 21. In Figs. 6A and 6B, previously omitted reference numerals 17 and 19 have been added. Applicants' original written description discloses that the island 18 has vertical sidewalls, now labeled with reference numerals 17, 19 and an upper surface, now labeled with reference numeral 21. Accordingly, the drawings have been conformed to the disclosure in Applicants' original written description. The repositioning of reference numeral 12 and its lead line in Fig. 5 remedies an inconsistency between Fig. 5 and all of the other drawings. At least Figs. 2A, 3, 6A, 6B show that the sidewalls 17, 19 extend to the insulating layer 16. Applicants submit that no "new matter" has been added by the amendments to either the written description or drawings.

### **Rejections of Claims**

Claims 1-15 stand rejected under 35 U.S.C. § 102(e) as anticipated by U.S. Pub. No. 2004/0217391 to Forbes (hereinafter *Forbes*). The Examiner contends that *Forbes* shows all elements of the rejected claims. Applicants respectfully disagree for the reasons set forth below.

*Forbes* fails to disclose "an island of a semiconductor material, said island including a plurality of sidewalls and a strained region," as set forth in Applicants' amended claim 1. Instead, *Forbes* discloses that the semiconductor material of substrate 704 is a layer that includes

a strained region 712 created by a local BOX region 710 that has lateral boundaries. *Forbes* fails to disclose that the semiconductor material of the substrate 704, which includes the strained region 712, is shaped like an island with sidewalls. Moreover, *Forbes* fails to disclose “said insulating layer electrically isolating said island of said semiconductor material from said handle wafer,” as also set forth in Applicants’ amended claim 1. Instead, *Forbes* discloses that the substrate 704 and the strained region 712 of substrate 704 are electrically coupled with each other because the local BOX region 710 has a tapered shape with lateral tapered edges at which the strained region 712 and substrate 704 merge. Consequently, the substrate 704 and strained region 712 in *Forbes* are not electrically isolated from each other, as required by Applicants’ amended claim 1.

To somehow meet the claimed structure in Applicants’ claim 1, the strained region 704 in *Forbes* would have to be made narrower than the local BOX region 710 and, moreover, would have to also be shaped to define sidewalls so that the strained region 712 is contained in an island of semiconductor material and the local BOX region 710 electrically isolates the strained region 712 from the remainder of the substrate 704. These hypothetical modifications are neither disclosed nor suggested in *Forbes*.

In order for a reference to anticipate the invention in a claim, the reference must teach each and every element in the precise arrangement set forth in the claim. If the reference fails to teach even one of the claimed elements, the reference does not and cannot anticipate the claimed invention. Because *Forbes* fails to disclose that the insulating layer electrically isolates the island of semiconductor material from the handle wafer and that the semiconductor material containing the strained region is an island with sidewalls, *Forbes* fails to anticipate claim 1. Consequently, Applicants request that the rejection be withdrawn.

*Forbes* fails to suggest that the local BOX region 710 can be modified to electrically isolate the strained region 712 from the remainder of the substrate 704. *Forbes* also fails to suggest that the semiconductor material containing the strained region can be modified to have the structure of an island with sidewalls.

## Conclusion

Applicants have made a bona fide effort to respond to each and every requirement set forth in the Office Action. In view of the foregoing amendments and remarks, this application is submitted to be in complete condition for allowance and, accordingly, a timely notice of allowance to this effect is earnestly solicited. In the event that any issues remain outstanding, the Examiner is invited to contact the undersigned to expedite issuance of this application.

Applicants do not believe fees are dues in connection with filing this communication. If, however, any fees are necessary as a result of this communication, the Commissioner is hereby authorized to charge any under-payment or fees associated with this communication or credit any over-payment to Deposit Account No. 23-3000.

Respectfully submitted,

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Date

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Attachments

ROC920030399US1

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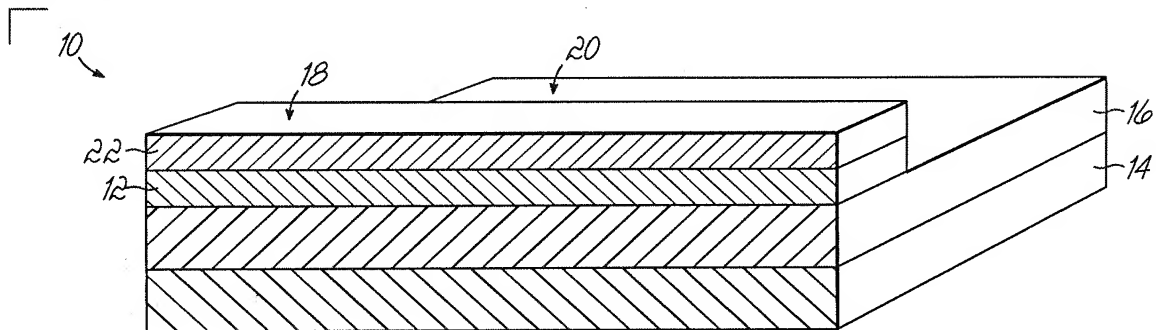


FIG. 1

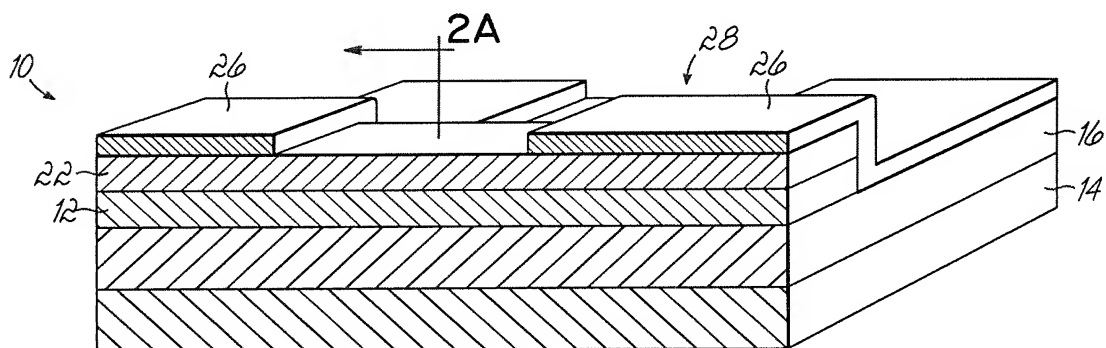


FIG. 2

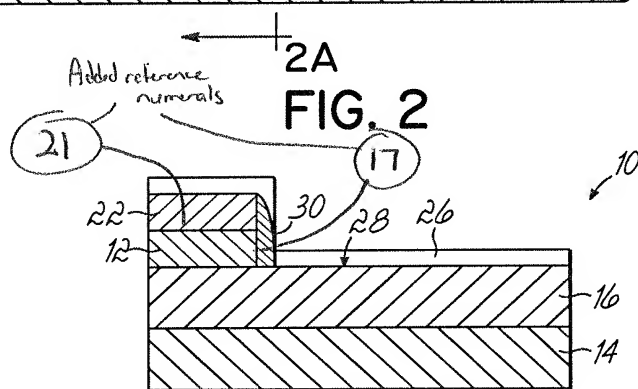


FIG. 2A

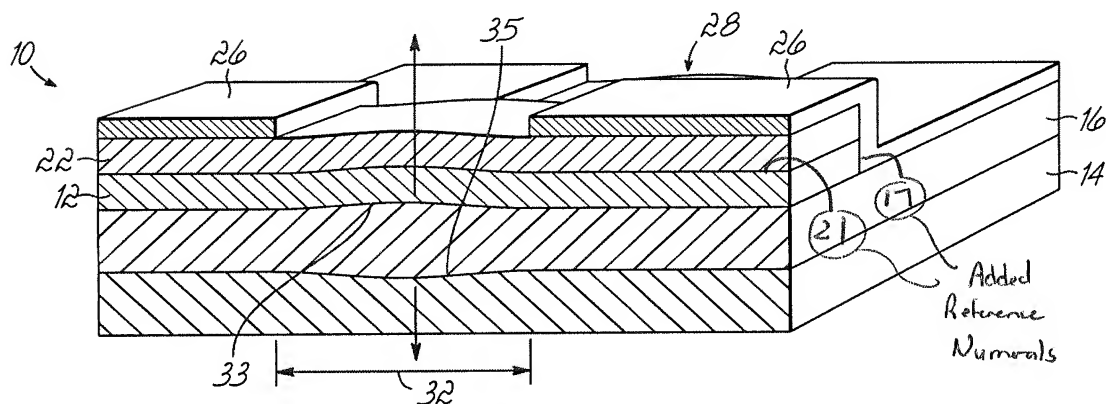


FIG. 3

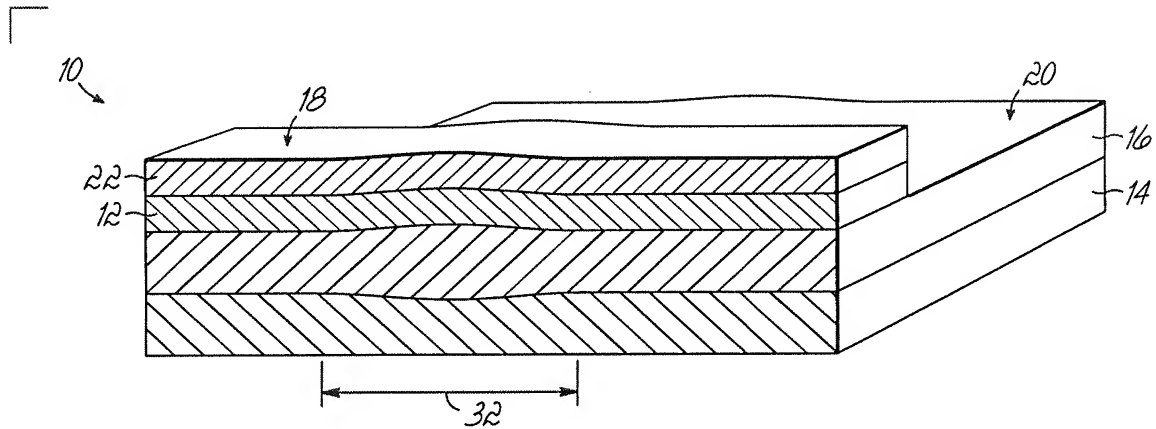


FIG. 4

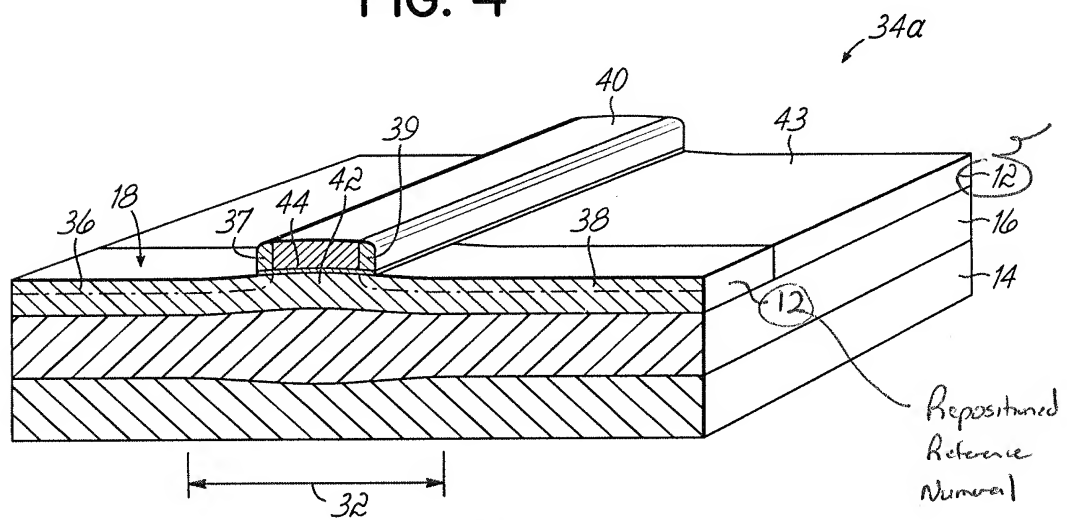


FIG. 5

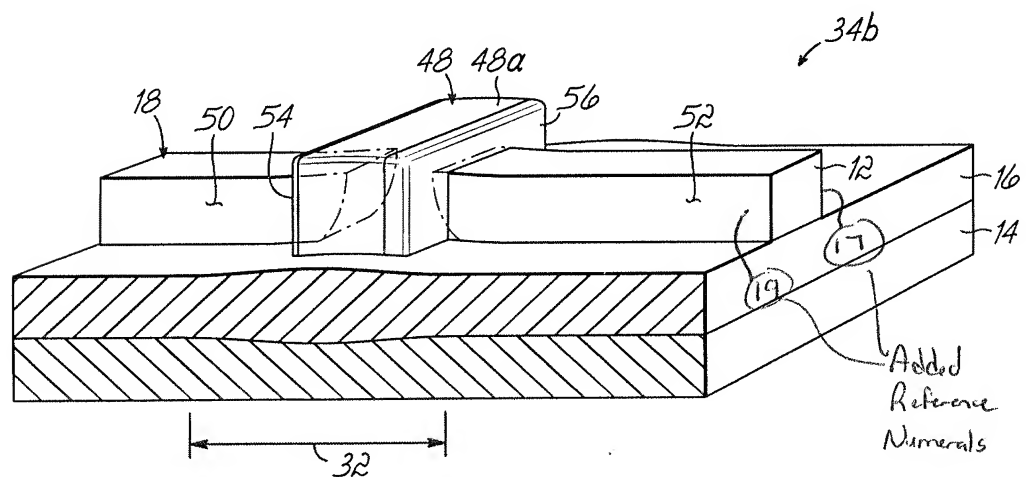


FIG. 6A

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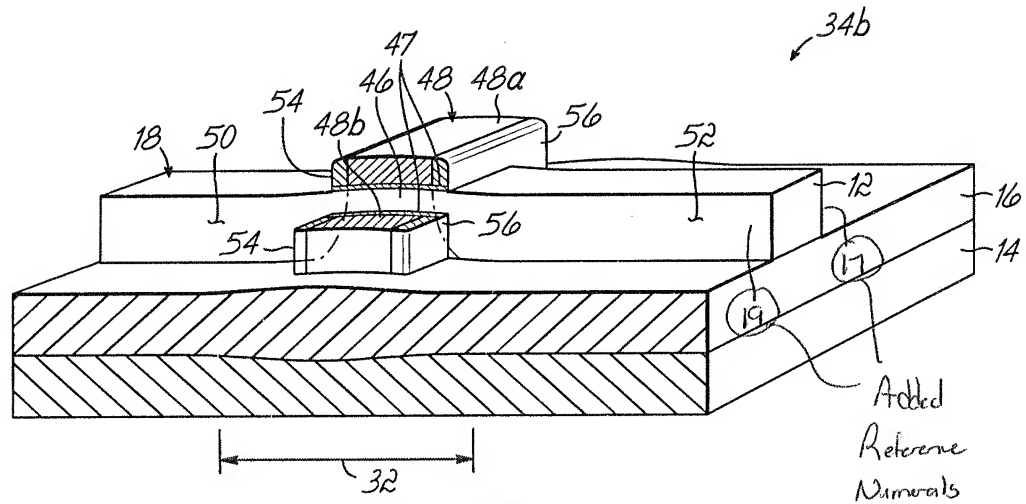


FIG. 6B

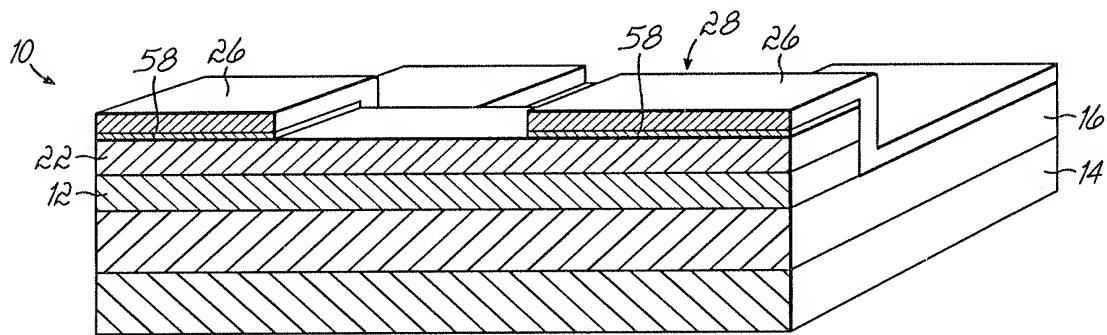


FIG. 7